



## Water Proofing Work for the Newly Constructed Bihar Vidhan Mandal

<b>Region</b>	Patna, Bihar (India)
<b>Type</b>	Basement Waterproofing by injection, cavity drainage, and PVC membrane
<b>Client</b>	Building Construction Department, Patna
<b>Execution of the work</b>	Renesco India Private Limited
<b>Construction Period</b>	2019 - 2020

## Project Description

Water Proofing for the Newly Constructed Bihar Vidhan Mandal Basement (North, South & Central) at Patna with 5 year warranty and maintenance.  
(Techno Commercial Bid).

## Scope of work

- Providing & applying Systematic Grouting in whole Basement & retaining wall using Hydrofoam Single Component as per methodology provided by us and approved by IIT Roorkee.
- Making profile using concrete with M25 grade of thickness 150 mm for maintaining proper slope for drainage of seepage water
- Making Sump & drain at suitable place as per requirement. Also supplying & Installation of self starting automatic pump to drain out collected water from the sump
- On the prepared profile supplying & Providing Cavity Drainage system to facilitate the seeped water flow into the sump. The minimum depth of Cavity in cavity drainage system should be 100 mm
- Preparation of 1.5 meter wide and 300 mm thick plinth protection by using 1.5 meter deep toe wall at the end to prevent ingress of External water into the basement.
- 5 year operation & maintenance cost with warranty
- **System installed as per DVS 2212 guidelines by trained and certified PVC welders.**

